

Figure 1

200

212.

$V_{IN, MAX}$

$V_{IN}$

0

$V_{IN, MIN}$

210

214

TIME

$I_{C1}$

$I_{D1}$

$I$

222

0

220

224

TIME

$I_{C2}$

$I_{D2}$

$I$

232

0

230

234

TIME

$2 \cdot I_{C2}$

$V_{OUT}$

$V$

242

$-2 \cdot I_{C2}$

240

244

TIME

FOR OUTPUT SWING =  $2 \cdot Z \cdot I_{C2}$

POWER =  $V_{DD} \cdot I_{C2}$

PRIOR ART

FIGURE 2

300

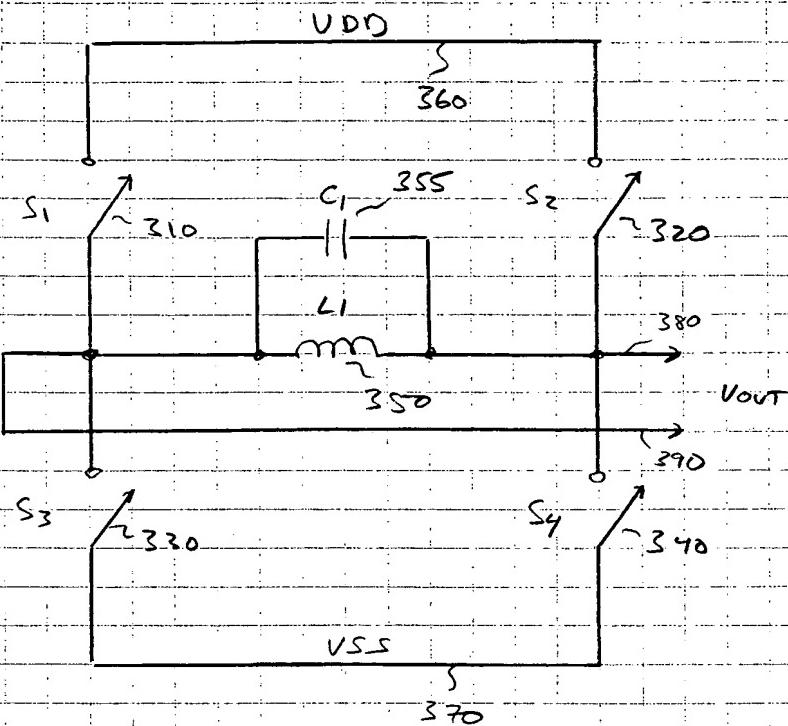


FIGURE 3

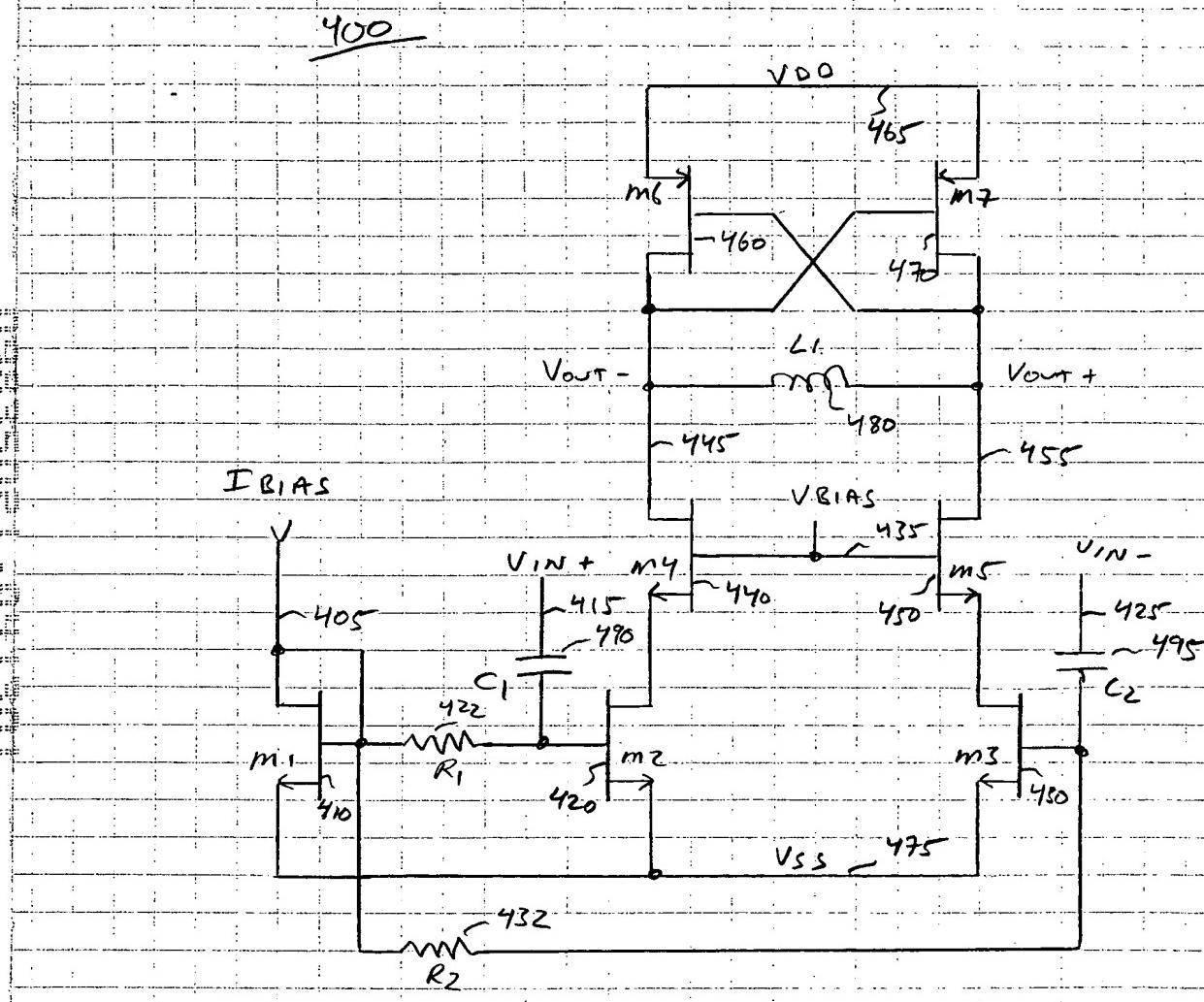


FIGURE 4

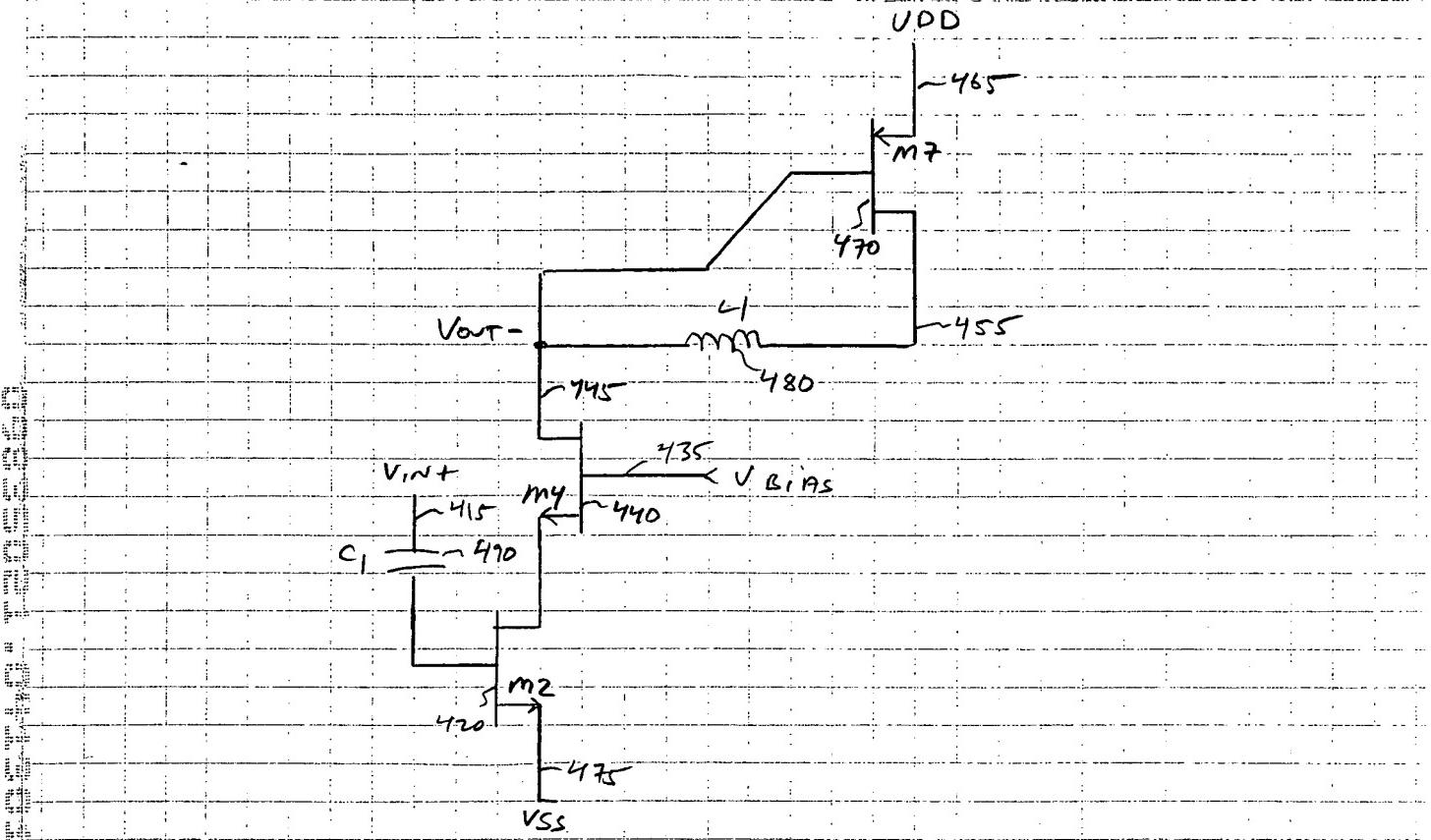
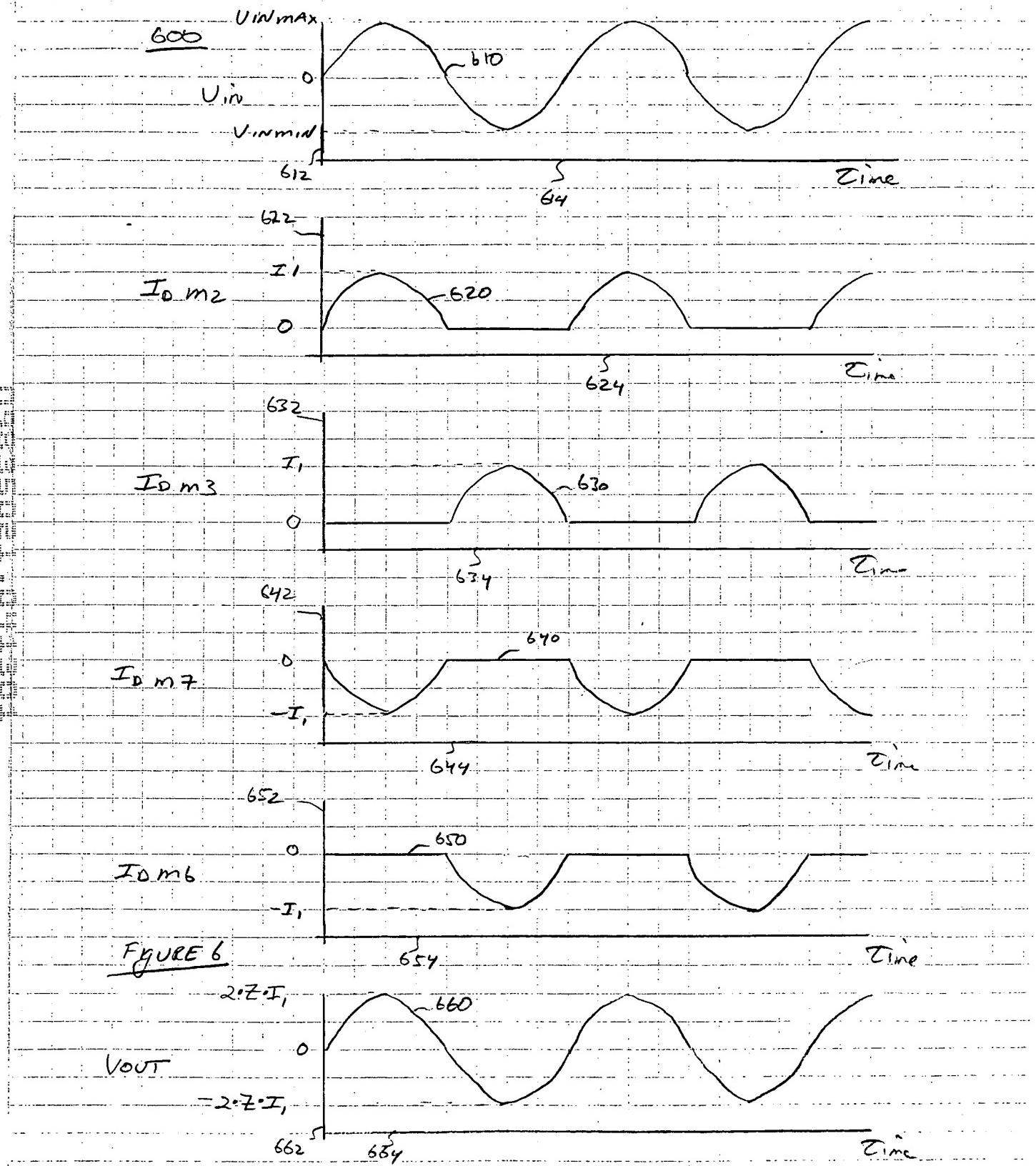


FIGURE 5



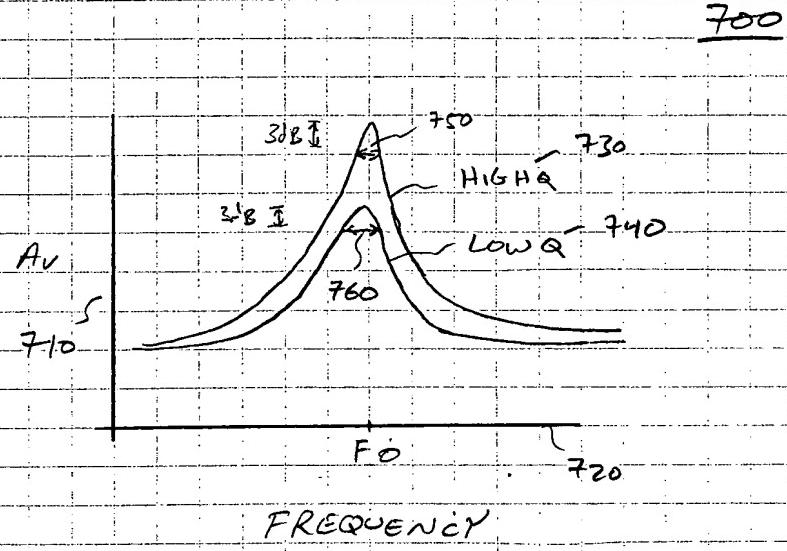


FIGURE 7

800

RECEIVING INPUT SIGNAL  
ALTERNATING BETWEEN POSITIVE  
AND NEGATIVE VALUES

-810

GENERATE FIRST CURRENT  
PROPORTIONAL TO INPUT SIGNAL  
WHEN POSITIVE, AND ZERO  
WHEN NEGATIVE

-820

GENERATE SECOND CURRENT  
PROPORTIONAL TO INPUT SIGNAL  
WHEN NEGATIVE, AND ZERO  
WHEN POSITIVE

-830

GENERATE THIRD CURRENT  
PROPORTIONAL TO FIRST  
CURRENT

-840

GENERATE FOURTH CURRENT  
PROPORTIONAL TO SECOND  
CURRENT

-850

APPLY FIRST AND FOURTH  
CURRENT TO FIRST TERMINAL  
OF INDUCTOR

-860

APPLY SECOND AND THIRD  
CURRENT TO SECOND TERMINAL  
OF INDUCTOR

-870

FIGURE 8

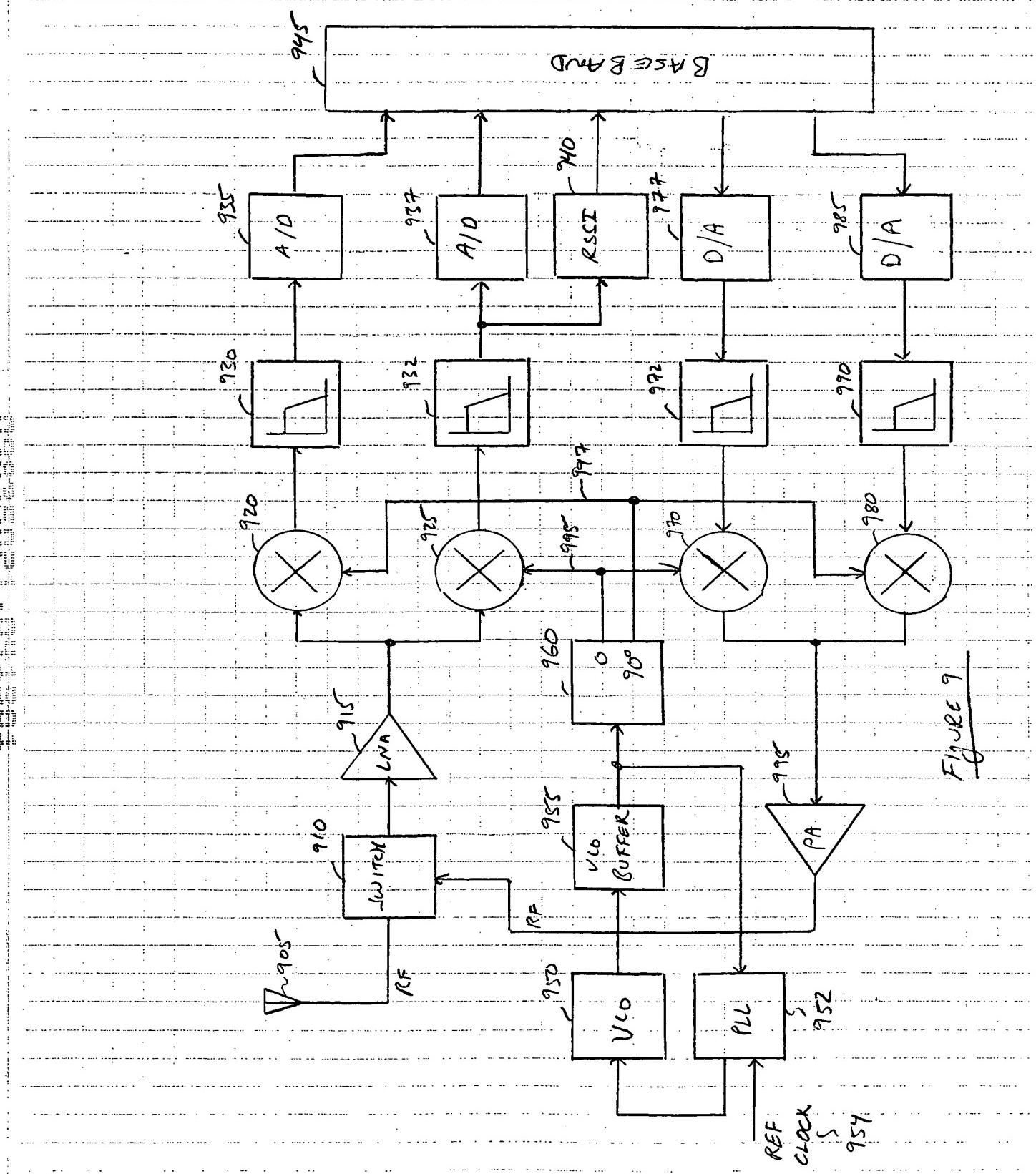


Figure 9

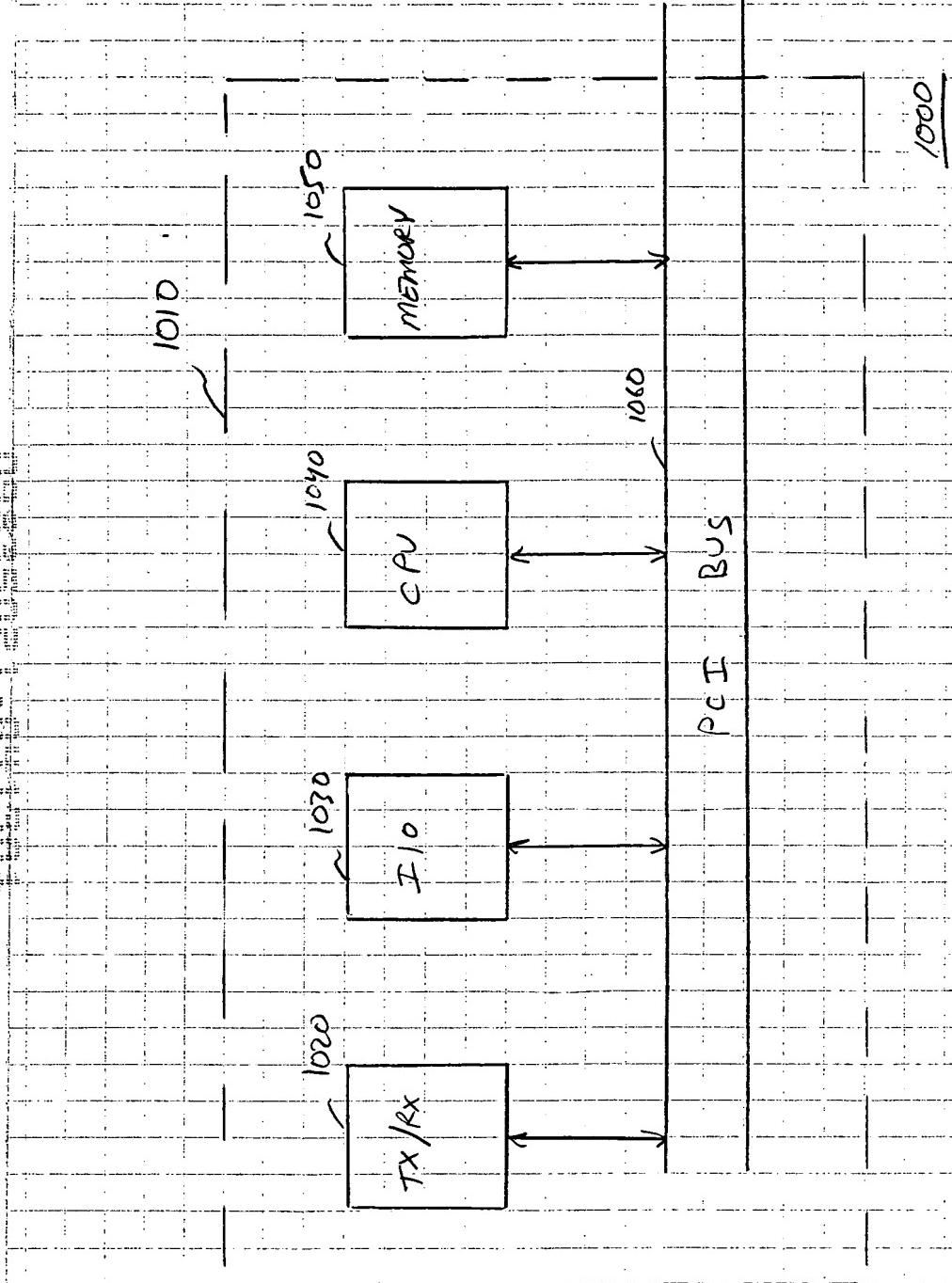


Figure 10